Creative Enzymes®

glycerate 2-kinase

Cat. No. EXWM-2995

Lot. No. (See product label)

Introduction

Description	A key enzyme in the nonphosphorylative Entner-Doudoroff pathway in archaea. In the bacterium Hyphomicrobium methylovorum GM2 the enzyme is involved in formaldehyde assimilation I (serine pathway). In Escherichia coli the enzyme is involved in D-glucarate/D-galactarate degradation. The enzyme requires a divalent metal ion.
Synonyms	D-glycerate-2-kinase; glycerate kinase (2-phosphoglycerate forming); ATP:(R)-glycerate 2-phosphotransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.165
Reaction	ATP + D-glycerate = ADP + 2-phospho-D-glycerate
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.